

Erratum

Erratum to: Volume of a doubly truncated hyperbolic tetrahedron

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In the original publication of the article, formulas (2), (14) and (17) contain some errors.

The first named author bears the responsibility for these errors. He would like to thank Prof. Atakan T. Yakut (Nigde University), who drew the authors' attention to this fact.

The correct version of formulas (2), (14) and (17) are given below,

1. The matrix G^* from formula (2) should read as

$$G^* = \begin{pmatrix} -1 & -\cos \mu & i \sinh \ell_5 & i \sinh \ell_3 \\ -\cos \mu & -1 & i \sinh \ell_6 & i \sinh \ell_2 \\ -i \sinh \ell_5 & -i \sinh \ell_6 & -1 & -\cosh \ell_1 \\ -i \sinh \ell_3 & -i \sinh \ell_2 & -\cosh \ell_1 & -1 \end{pmatrix}$$

2. In formula (14), the function \mathcal{E} should read as

$$\mathcal{E} = \phi(z_-)\psi(z_+) \left(c_{34} + \delta \frac{a_1 - 1/a_1}{2} \right) - \phi(z_+)\psi(z_-) \left(c_{34} - \delta \frac{a_1 - 1/a_1}{2} \right)$$

3. Consequently, formula (17) should have the form

$$\Re \frac{\partial \mathcal{V}}{\partial \theta_1} = -\frac{1}{4} \log \left| \frac{c_{34} - \delta \frac{a_1 - a_1^{-1}}{2}}{c_{34} + \delta \frac{a_1 - a_1^{-1}}{2}} \right|.$$

The online version of the original article can be found under doi:[10.1007/s00010-012-0153-y](https://doi.org/10.1007/s00010-012-0153-y).

All the errors listed above do not affect the result of the original publication of the article.

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